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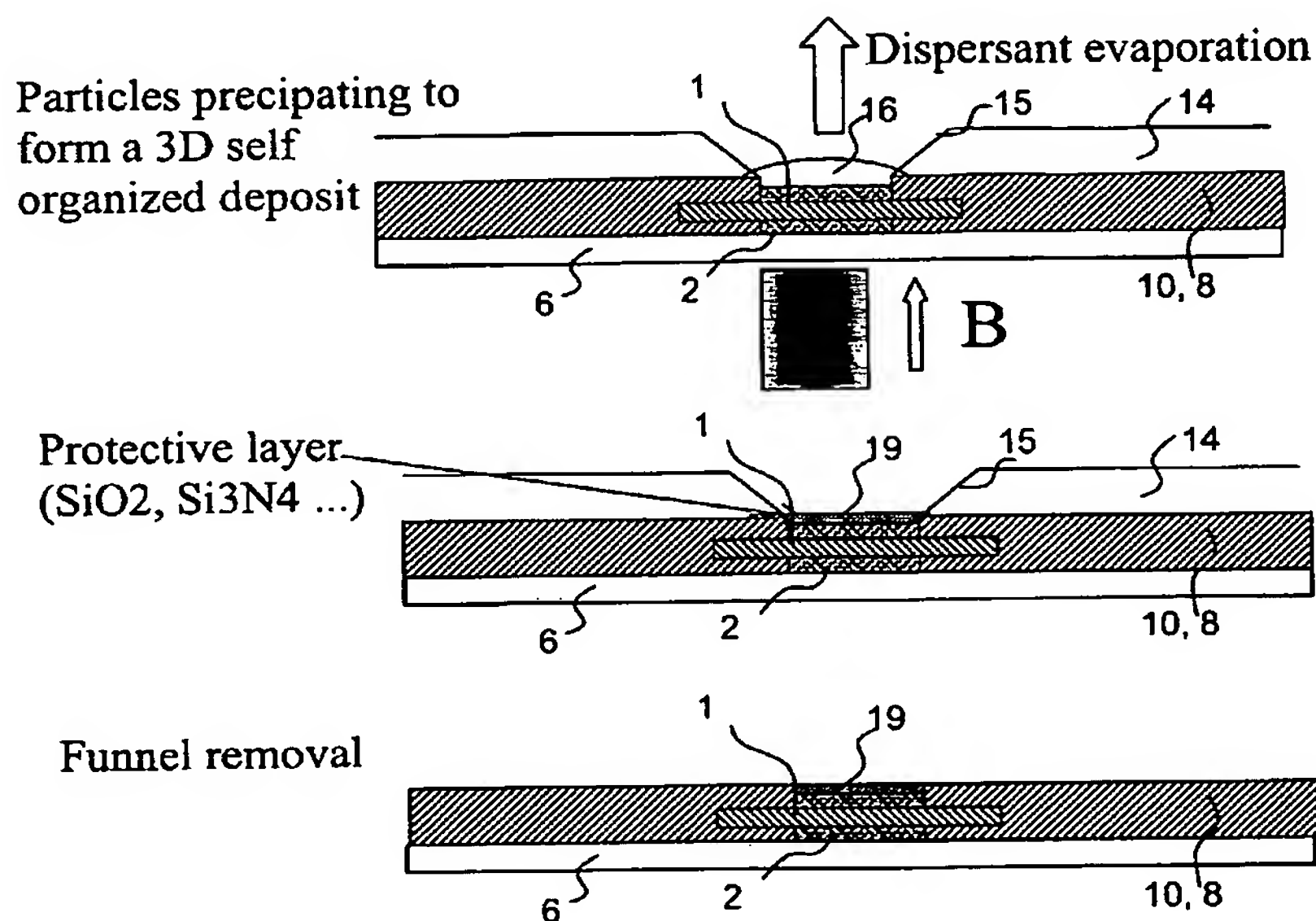
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(54) Title: METHOD OF PRODUCING AN ELEMENT COMPRISING AN ELECTRICAL CONDUCTOR ENCIRCLED BY MAGNETIC MATERIAL



(57) Abstract: A method of producing an electrical inductor circuit element comprising an elongate electrical conductor (1) encircled by magnetic material (2) extending along at least a part of the conductor. First (10) and second (7) sacrificial layers are formed across the conductor (1) respectively above and below the conductor, at least parts of the sacrificial layers (7, 10) are removed to leave a space (12) encircling the conductor, a fluid (16) comprising magnetic nanoparticles dispersed in a liquid dispersant is introduced into the space (12), and the dispersant is removed leaving the magnetic nanoparticles densely packed in the space (12) as at least part of the magnetic material (2).

WO 2005/093789 A1



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